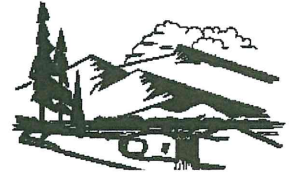




Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Todd Parfitt, Director

Matthew H. Mead, Governor

April 19, 2016

Shane Conley
Forterra Pipe Precast
725 Bryan Stock Trail
Casper, WY 82601

RE: **APPROVAL** of Forterra's 1500-Gallon, Single-Compartment, Concrete Septic Tank for use in Wyoming.

Dear Mr. Conley:

The Water Quality Division (WQD) of the Wyoming Department of Environmental Quality (DEQ) has received the drawings and specifications for above referenced septic tank. The WQD evaluated this septic tank and determined that it basically meets the minimum requirements as identified in Chapter 25, Section 8 of the Wyoming Water Quality Rules and Regulations.

However, the inlet and outlet tees are not provided with this septic tank. DEQ's approval of this septic tank is contingent upon the proper installation of the inlet and outlet tees. **The septic tank inlet shall be provided with a tee. The outlet shall be provided with a tee that extends down at least 18 inches below the liquid surface level (i.e., outlet invert level) of the tank.**

This product will be placed on our list of approved septic tanks for use in Wyoming. The table below summarizes the dimensions for the Forterra's 1500-gallon, concrete septic tank.

Outside Dimensions (L x W x H)	128" x 68" x 86"
Maximum Cover Burial Depth	4 feet
Access Openings	Two 20-inch squares
Inlet / Outlet Height Difference	3 inches
Liquid Level (LL) Depth	58 inches
Clearances for scum and venting	14 inches total

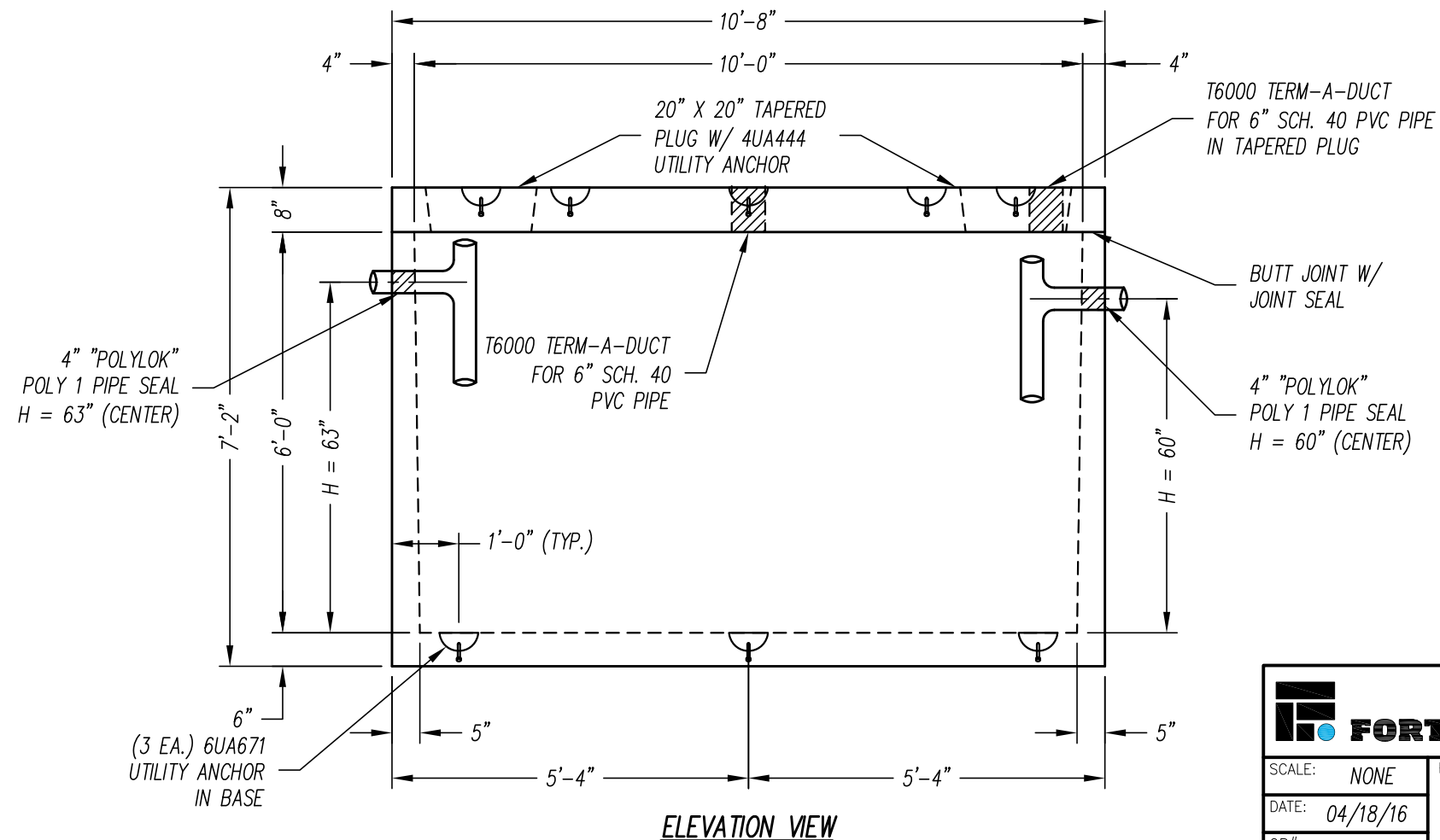
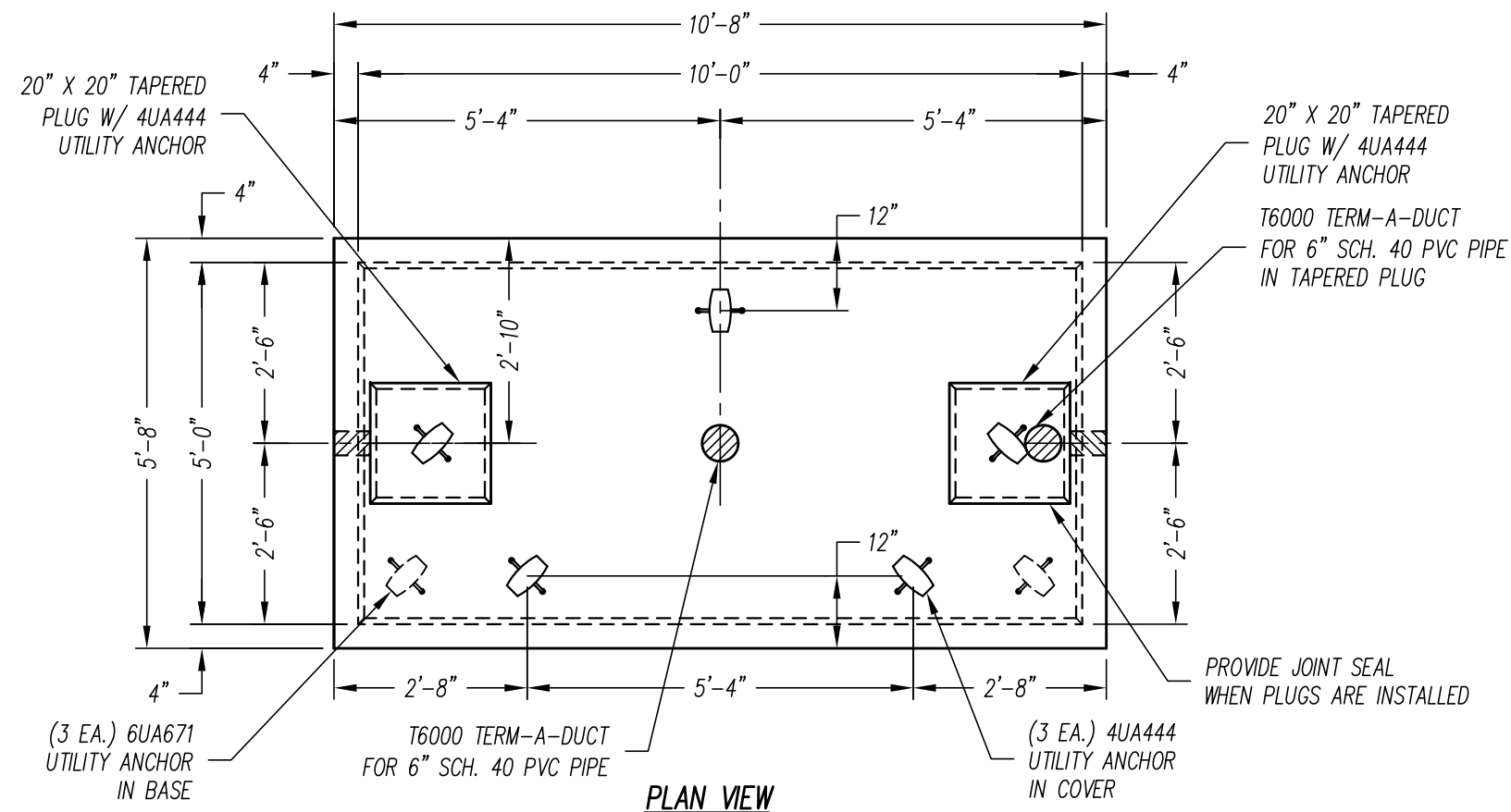
Sincerely;

Ryan McBride

Ryan McBride, P.E.
Assistant Southeast District Engineer
Water Quality Division
RKM/rm/16-0385

Cc: DEQ Water & Wastewater Section (PDF)

Encl: Submitted Septic Tank Drawings



MATERIAL LIST	
ITEM	QTY.
T6000 TERM-A-DUCT	2
4" POLYLOK POLY 1	2
JOINT SEALANT (1" X 14.5')	4


SEE SHEET "1500 SEPTIC TANK CVR" FOR COVER REINFORCING AND TAPERED PLUG DETAILS

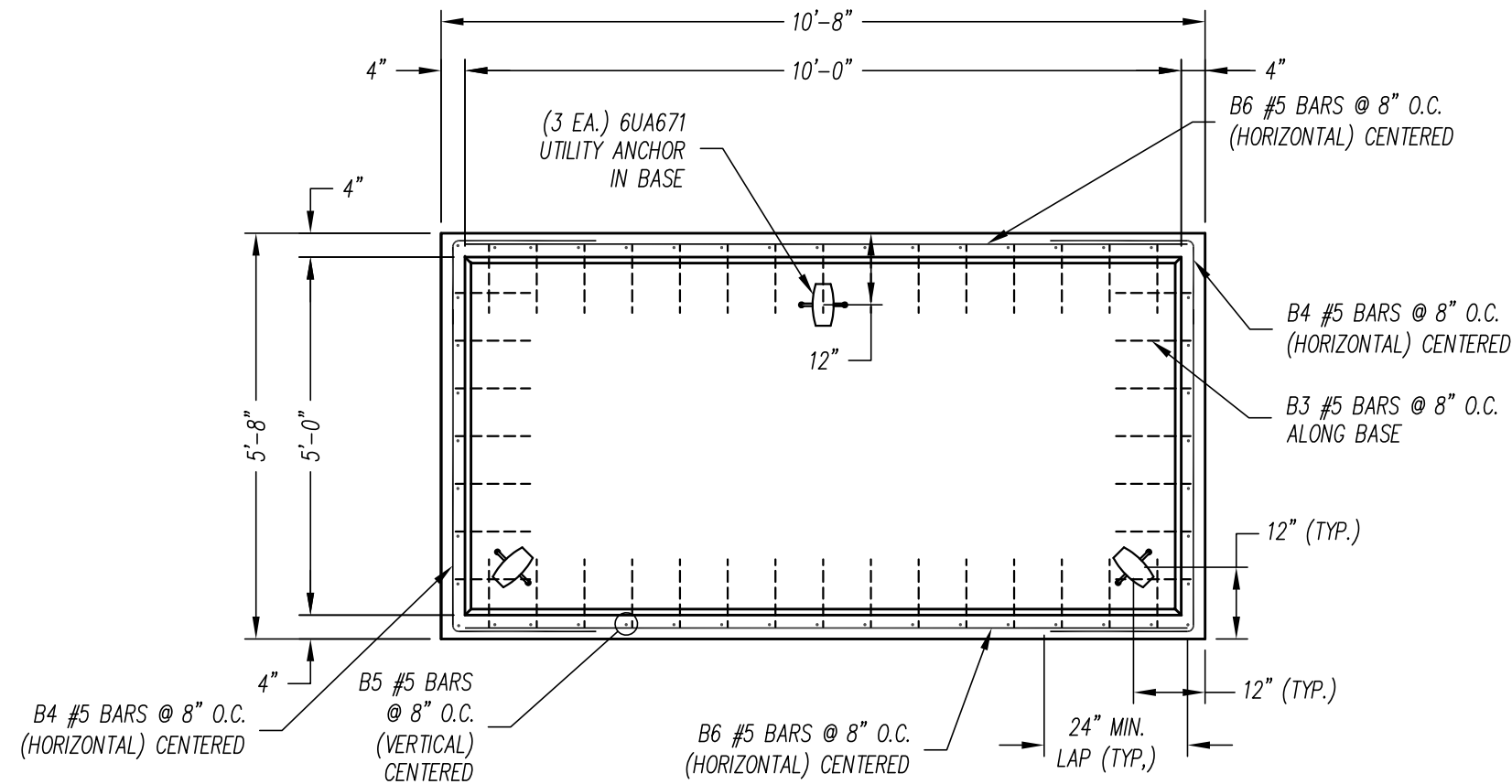
COVER WEIGHT = 6,050 LBS

TANK WEIGHT = 15,200 LBS

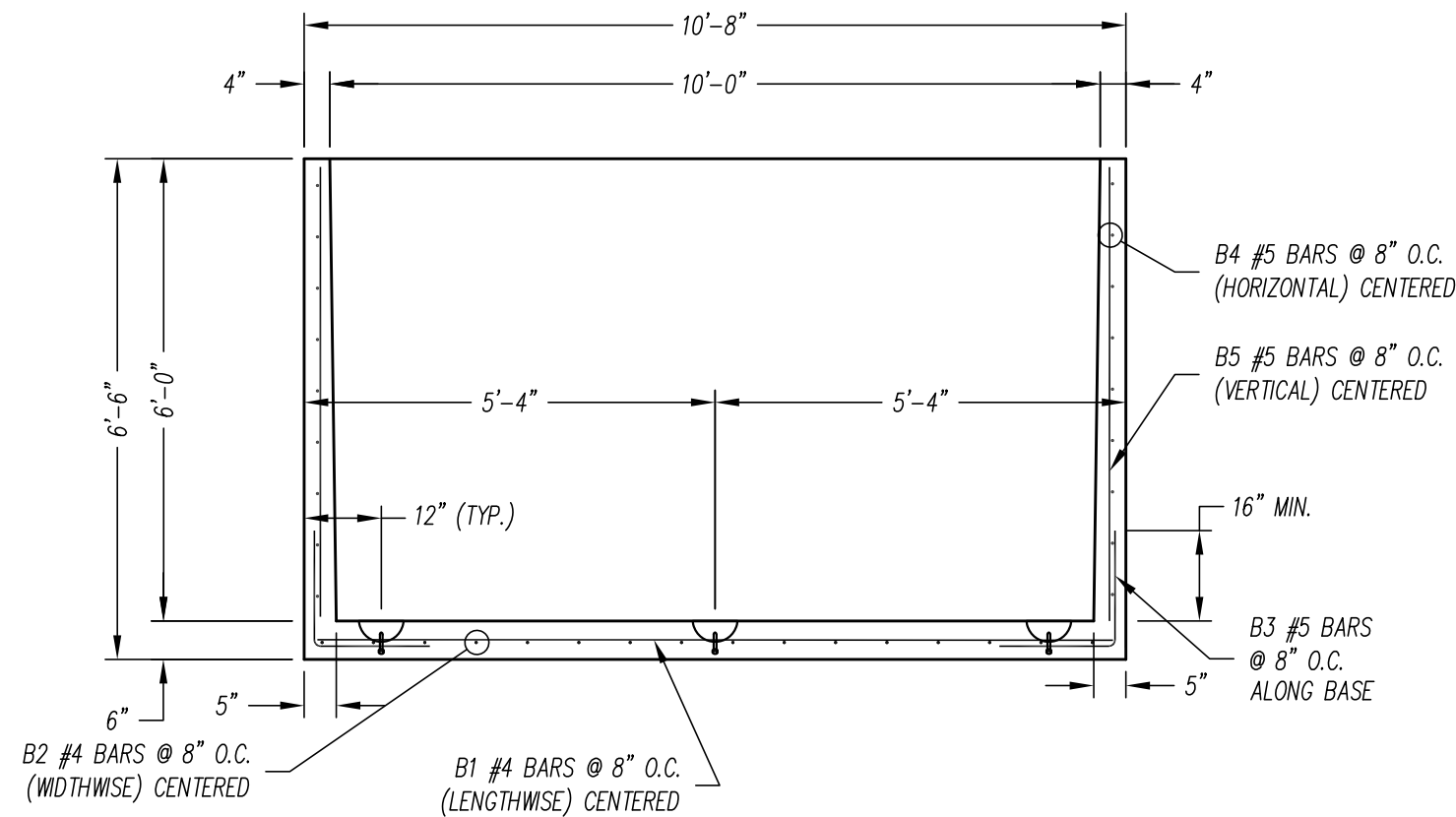
NOTES:

- REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
 $F_y = 65,000$ PSI (MESH) UNLESS NOTED OTHERWISE.
- CONCRETE COMPRESSIVE STRENGTH = 4,500 PSI (28 DAY)

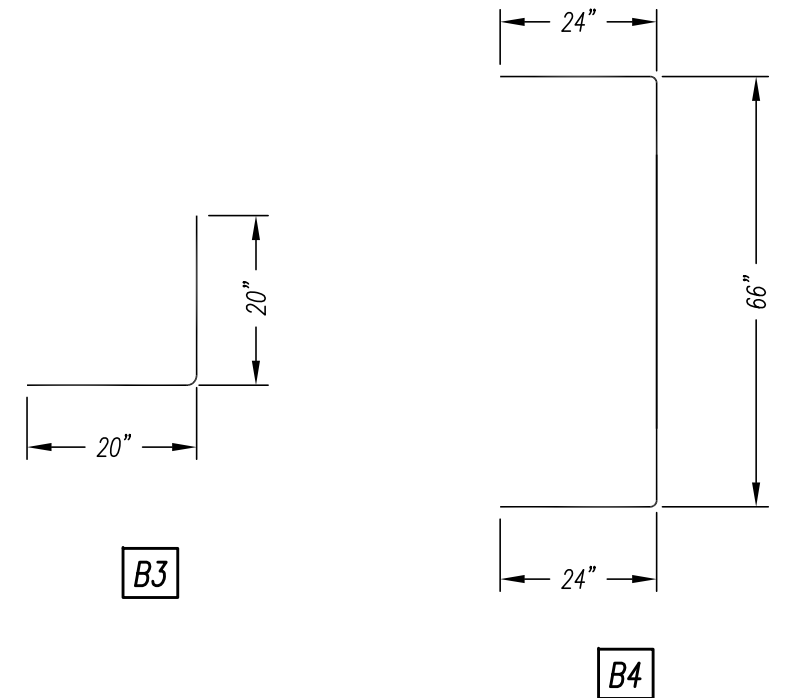
		Rapid City, South Dakota 2046 Samco Road, Suite 2 Rapid City, SD 57702 (605) 718-4111	
SCALE:	NONE	PROJECT: 1500 GALLON SEPTIC TANK	
DATE:	04/18/16		
OR#:	-		
DR'N BY:	CMP	CUSTOMER:	
CHK'D BY:	-	DWG NAME: 1500 GAL SEPTIC TANK	
PROPRIETARY & CONFIDENTIAL - INFORMATION PROVIDED IS THE PROPERTY OF FORTERRA. UNAUTHORIZED REPRODUCTION IS PROHIBITED.			



PLAN VIEW




SECTION VIEW



REINFORCING SCHEDULE					
MARK	QTY.	BAR SIZE	LENGTH	WEIGHT	REMARKS
B1	8	#4	10'-4"	56 LBS	STRAIGHT
B2	16	#4	5'-4"	57 LBS	STRAIGHT
B3	42	#5	3'-4"	146 LBS	BENT
B4	18	#5	9'-6"	179 LBS	BENT
B5	46	#5	5'-10"	280 LBS	STRAIGHT
B6	18	#5	10'-4"	194 LBS	STRAIGHT
TOTAL =				912 LBS	

STEEL WEIGHT = 912 LBS
TOTAL WEIGHT = 15,200 LBS

NOTES:
1. REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)



FORTERRA

SCALE: NONE

DATE: 04/18/16

OR#: -

DR'N BY: CMP

CHK'D BY: -

PROJECT:

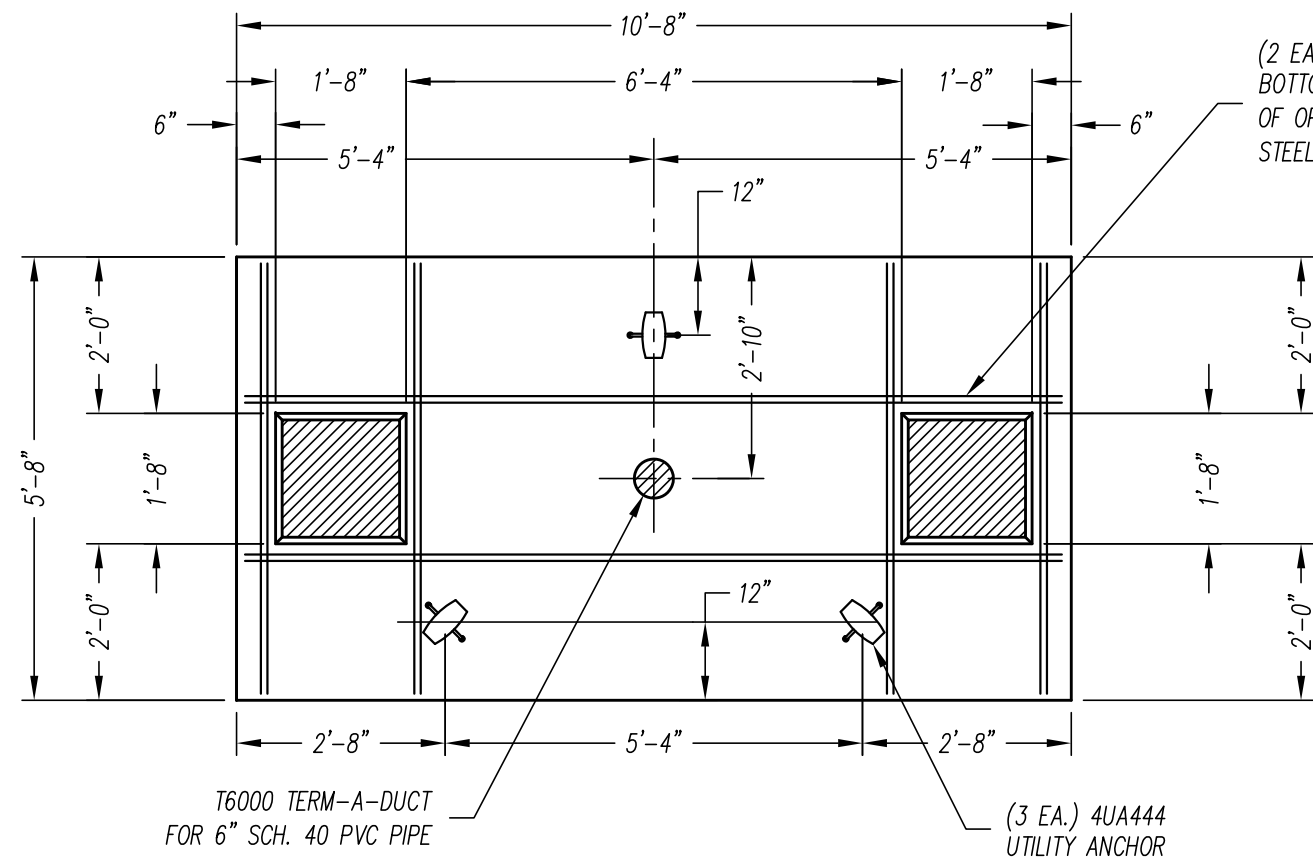
1500 GALLON SEPTIC TANK REINF

CUSTOMER:

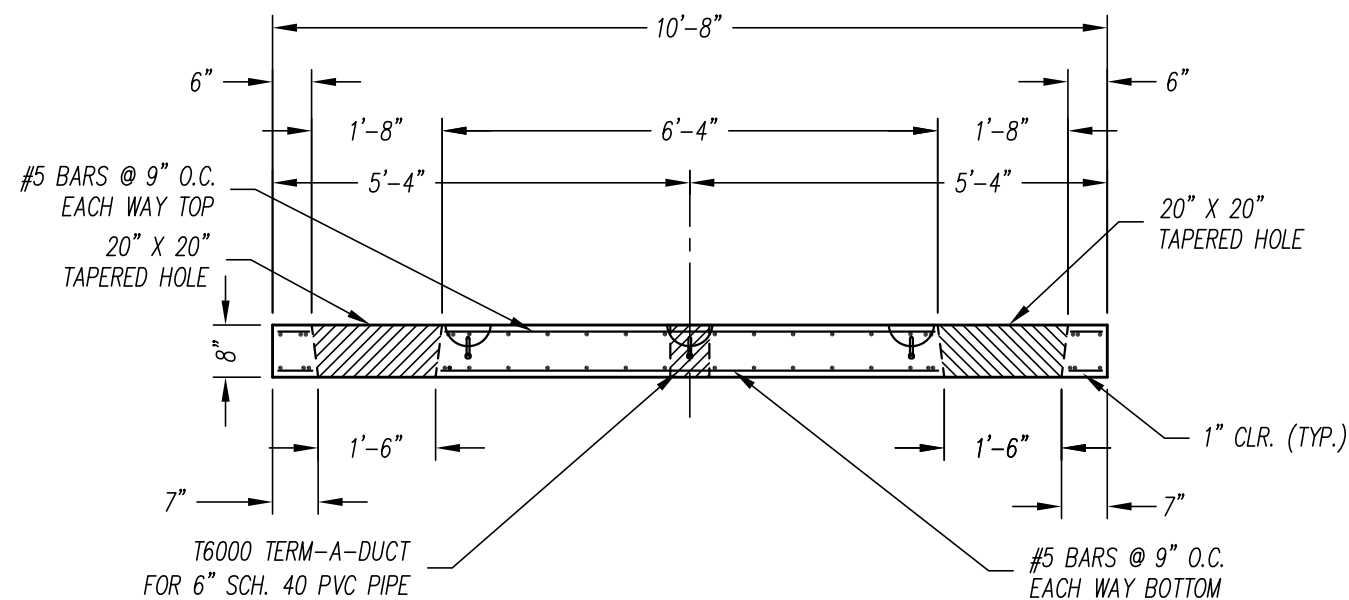
DWG NAME: 1500 GAL SEPTIC REINF

Rapid City, South Dakota
2046 Samco Road, Suite 2
Rapid City, SD 57702
(605) 718-4111

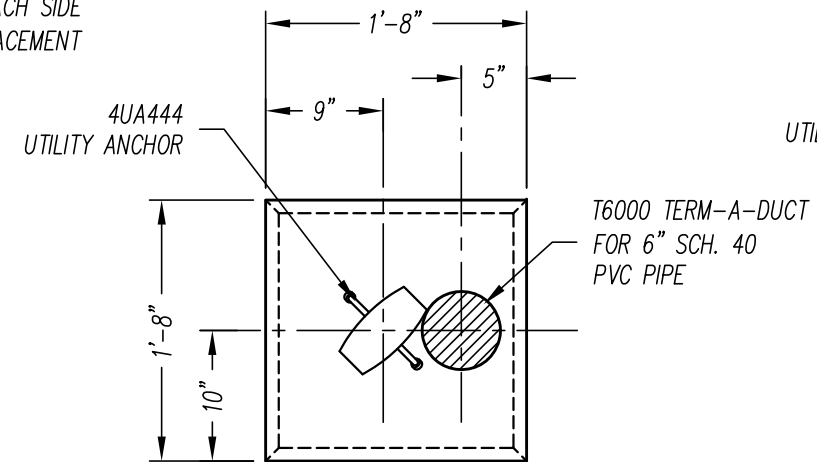
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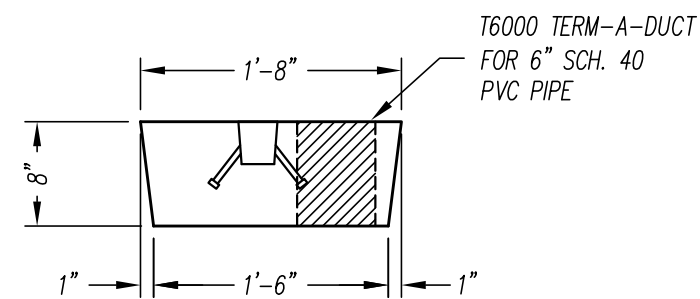
PLAN VIEW



SECTION VIEW

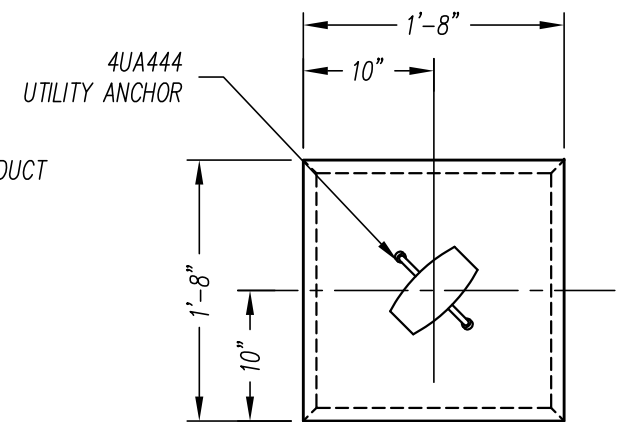


PLAN VIEW

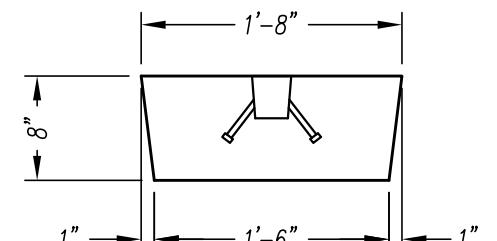


ELEVATION VIEW

**TAPERED PLUG
W/ TERM-A-DUCT
1 REQUIRED**



PLAN VIEW



ELEVATION VIEW

**TAPERED PLUG
1 REQUIRED**

MATERIAL LIST	
ITEM	QTY.
T6000 TERM-A-DUCT	2


**COVER IS DESIGNED FOR MAX.
3' OF FILL AND HS-20
LOADING**

PLUG WEIGHT = 270 LBS
COVER WEIGHT = 6,050 LBS

MESH OPTION:
6 X 6 D20.0/D20.0 MESH TOP & BOTTOM W/ SAME
#5 REPLACEMENT BARS AS SHOWN AT OPENINGS. MAT
DIMENSIONS 10'-4" X 5'-4" (MIN. 8" OVERLAP IF SPLICED)

NOTES:

- REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
 $F_y = 65,000$ PSI (MESH) UNLESS NOTED OTHERWISE.
- CONCRETE COMPRESSIVE STRENGTH = 4,500 PSI (28 DAY)

 FORTERRA™		Rapid City, South Dakota 2046 Samco Road, Suite 2 Rapid City, SD 57702 (605) 718-4111	
SCALE:	NONE	PROJECT: 1500 GALLON COVER	
DATE:	04/18/16		
OR#:	—		
DR'N BY:	CMP	CUSTOMER:	
CHK'D BY:	—	DWG NAME: 1500 GALLON COVER	
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